

(DO NOT INCLUDE ON CONSTRUCTION DRAWINGS)

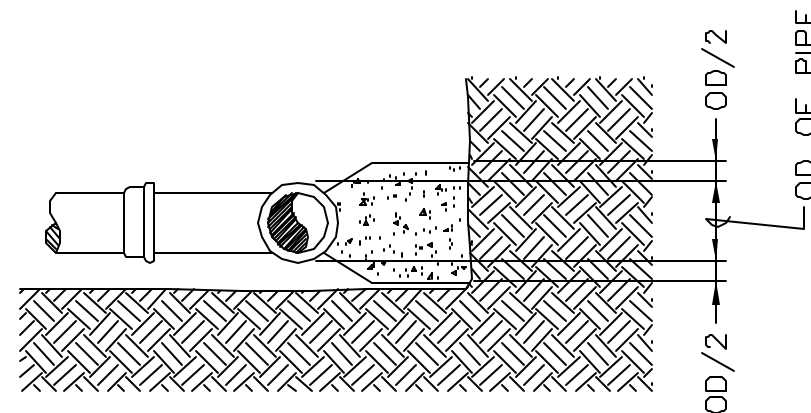
1. WHEN EDITING DETAIL TO SUIT PROJECT, ADD JOB SPECIFIC REQUIREMENTS AND DELETE ONLY THOSE PORTIONS THAT DO NOT APPLY. TO SEEK A VARIANCE FROM APPLICABLE REQUIREMENTS, CONTACT THE LEM CIVIL POC.
2. SIZE OF CONCRETE DETERMINED BY SIZE OF PIPE. CONCRETE SHALL COVER AREA OF PIPE AS SHOWN AND SHALL REST AGAINST UNDISTURBED BANK OF TRENCH.
3. BEARING AREAS ARE FOR UNDISTURBED MATERIAL. INCREASE BEARING AREA FOR COMPACTED FILL MATERIAL BY A FACTOR OF 1.5.
4. CONCRETE $f'_c=2500$ PSI @ 28 DAYS
5. TABLE BASED ON NFPA 24, 8.6, 225 PSI PRESSURE AND 2000 PSF SOIL BEARING.
6. SAND BEDDING NOT SHOWN FOR CLARITY.

DRAWING DEVELOPED FOR ML-3 PROJECTS. FOR ML-1/ML-2, ADDITIONAL REQUIREMENTS AND QA REVIEWS ARE REQUIRED. (REMOVE THIS NOTE WHEN INSERTED INTO A DRAWING PACKAGE).

MIN. THRUST BLOCK AREA (SQUARE FEET)			
PIPE DIA.	PLUG TEE	90° BEND	45° BEND
4"	2	2	2
6"	4	5	3
8"	6	8	5
10"	9	13	7
12"	13	18	10
14"	18	25	14
16"	23	32	18

PLAN

SCALE: NONE



SECTION

SCALE: NONE

THRUST BLOCK DETAIL

SCALE: NONE

1	B-23-02	U	GENERAL REVISION AND DWG. NO. WAS ST38B3.				RP	EH	MS	EH	TO
NO	DATE	CLASS REV	DESCRIPTION						DWN	VER CHKD	SUB APP
<div style="text-align: center;"> FACILITY & WASTE OPERATIONS SYSTEMS ENGINEERING & MAINTENANCE</div>											
LANL ENGINEERING MANAU THRUST BLOCK DETAIL							DRAWN		R.PEARSON		
							DESIGN		E.HOTH		
							CHECKED		M.S.MITHDUR		
BLDG. X							TA-X		DATE		B-28-99
SUBMITTED					APPROVED FOR RELEASE						
DISCIPLINE POC: E. HOTH					STANDARDS MANAGER: TOBIN ORUSH						
<div style="text-align: center;"> PO Box 1663 Los Alamos, New Mexico 87648</div>							SHEET		1		
							1		OF 1		
CLASSIFICATION U				REVIEWER LARRY BAYS				DATE			
PROJECT ID				DRAWING NO				REV			
CHAPTER 3				ST-G30GEN-2				1			